

Airport Fiber Optic KVM Technical Solution



Overview

Explore high-performance solutions for Air Traffic Control Centers and Airport network applications. IHSE systems deliver critical data to control towers, aid ground and air personnel training, assist with baggage handling and inform passengers through. AVCiT's Phinx Fiber KVM system allow to separate computers from operator console desk and store them into centralized data center, where is well-cooling, safe and easier to manage. For example, any point of A, B, C or D is failure will not affect the system running. Solution is based on FPGA. In the dynamic world of air traffic control, IP KVM technology emerges as a pivotal innovation, revolutionizing the way Air Navigation Service Providers (ANSPs) manage and operate their systems. The solution builds effortless IP extension that eliminates the. High-resolution infrared cameras record the flight movements and all events on runways within a radius of 360 degrees and transmit the high-resolution images to controllers sitting in a remote tower. State-of-the-art equipment in the control room combines the individual image segments to form a.



Article Content

Dec 06, 2025

Berlin Brandenburg Airport Relies on IHSE KVM Solution for Control ...

The KVM system used provides direct connections (point-to-point) between the computers and the workstations via Cat cabling. For 2021, in addition to the changeover to fiber optic cabling, an

Oct 30, 2025

Air Traffic Control & Command Technology | Black Box

A major airport's technical watch center (TWC) needed to upgrade its outdated KVM Matrix equipment crucial for air traffic control. Black Box provided an IP KVM solution, ensuring low bandwidth, fanless

Jun 27, 2025

CONSIDERATIONS FOR FIBER

CONSIDERATIONS FOR FIBER-BASED KVM EXTENSION If you're sending KVM signals between buildings for an extended distance, in areas supplied by different power sources, in an electrically e

Mar 23, 2026

KVM around the Airport

Video Video and data and signals data signals are connected are connected via via Cat5e/6 Cat5e/6 or fiber or optic fiber optic cables cables to the to CPU the or CPU or servers servers direct direct or

Jul 11, 2025

Planning for Remote Air Traffic Control with IP KVM

Designing and building a remote air traffic control tower presents Air Navigation Service Providers (ANSPs) with a myriad of technological challenges

Oct 11, 2025

KVM solutions for control rooms in remote towers

KVM computer and user modules use twisted pair cables, optical fibres or IP structures to access the equipment stored in a separate technology room at remote workstations almost latency-free and with

Jun 14, 2026

How the top 10 super hub airports in the world use fiber optic KVM to ...

Use KVM extenders from the Draco vario and Draco compact series to extend signals on existing Category 7 network cable infrastructure. Thanks to Mix& Match technology, KVM signals can

Oct 05, 2025

KVM technology addresses air traffic control challenges

As global air travel demand surges, KVM systems emerge as a crucial solution for modernizing air traffic control operations and preparing for future

Jan 26, 2026

KVM Solutions for Airports | IHSE

The new ATC tower comprises a fully-redundant KVM matrix switching solution for fail-safe operation in critical situations. The KVM system instantly connects

Aug 03, 2025

4K Fiber KVM Extender up to 550m for Remote PC

AV Access 4KIP500F-KVM fiber KVM extender, transmitting 4K HDMI and USB signals up to 550m/1800ft with zero latency. Works with an Ethernet switch to

Jul 18, 2025

Airport fibre optic networks | High-availability systems

Fibre optic networks in airports, FTTH aviation, high-availability systems: requirements and technical implementation of critical infrastructure Fibre optic airport networks, FTTH aviation, and

Feb 08, 2026

IHSE Equips Airport on Chinese Plateau with Fail-Safe

IHSE, a leading manufacturer of high-end KVM solutions for the extension and switching of computer signals, announces that it has equipped a

Jan 08, 2026

How Fiber Optics and KVM Extenders Connect

Let's connect these two buildings using fiber optics and a KVM extender. The BZBGEAR® BG-UHD-18GFE KVM/HDMI long distance extender

Feb 15, 2026

KE6920 Air Traffic Control Bundle Solution

With Primary-Secondary Architecture, the KE6920 Air Traffic Control Bundle Solution enables connection to a primary and a secondary computer that allows instant

Jun 21, 2026

BER Airport relies on IHSE KVM solution for control rooms

In the new major international airport BER, KVM technology from IHSE enables remote computer access and control of various systems.

May 05, 2026

Air Traffic Control | KVM Applications | Adder Technology

If you require a media and entertainment IP KVM solution, whether starting from scratch or upgrading an existing installation, our in-house experts can help define

Jan 06, 2026

AVCiT-Fiber KVM Matrix Solution for Airport Operation Control Room

AVCiT's Phinx Fiber KVM system allow to separate computers from operator console desk and store them into centralized data center, where is well-cooling, safe and easier to manage.

Jan 05, 2026

Fiber Optic Network in New Delhi by Airport Global Technical Solutions ...

Airport Global Technical Solutions, specialists in electrical and mechanical installations, has a team with unrivalled experience in the UAE and across the Arabian Gulf. This skill is enhanced further by

Mar 16, 2026

KVM Solutions for Fraport AG | IHSE

To avoid such scenarios at Frankfurt airport, highly reliable KVM technology is required. IHSE KVM products comply with resilience and availability requirement,

Jul 10, 2025

How Does IP KVM Technology Optimize Air Traffic

However, how can airport staff work efficiently to handle large amounts of passenger information? In this article, we will present the challenges

Nov 14, 2025

kvm-tec electronic

The company also offers a fibre-optic cable with a range of 500m, and interchangeable small form-factor pluggable (SFP) modules that increase this distance to 100km.

Apr 18, 2026

Efficient fiber optic solutions for airports

Within the following pages, it will be possible to learn more about how, for the technical or commercial decision makers of all airport business, implementation of economic fiber optic solutions with

Jun 02, 2026

KVM Solutions for Airports | IHSE

KVM Solutions in Airports AIRPORT BERLIN BRANDENBURG, GERMANY In the new major international Berlin airport, an IHSE KVM solution enables remote

May 23, 2026

Efficient fiber optic solutions for airports

With the optical multiplexing solutions of MICROSENS, airport operators can safeguard their productivity by delivering the data volumes needed for modern converged networks with ease.

Sep 25, 2025

KVM Air Traffic and Ground Control Room Solutions

KVM Airport Control Room Solutions for Data, Video and Audio Signal Switching, Extension, and Collaboration Black Box offers application consultancy for air traffic- and ground control centres and

Contact Us

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